WHAT IS CLAIMED IS:

1. A multimedia signal processing apparatus comprising:

a communication service unit having a plurality of types of signal processing modes corresponding to a plurality of types of communication service classifications;

communication service classification identifying means for identifying, on the basis of signal processing request information on one call communicated from a higher-rank node, a communication service classification for said call; and

mode control means for controlling a signal processing mode of said communication service unit to a mode suitable for the communication service classification identified in said communication service classification identifying means.

2. A multimedia signal processing apparatus according to claim 1, wherein said mode control means comprises external indication type mode control section for controlling said signal processing mode of said communication service unit in accordance with a mode setting instruction from an external device.

3. A multimedia signal processing apparatus according to claim 1, wherein said mode control means includes:

history information managing section for managing history information on mode control implemented in the past; and

prediction type mode control section for predictively

controlling said signal processing mode of said communication service unit on the basis of said history information.

4. A multimedia signal processing apparatus according to claim 3, wherein said prediction type mode control section includes time factor mode controller for controlling said mode of said communication service unit to a mode corresponding to mode setting information at a specified time on the basis of time information based on said history information and said mode setting information.

5. A multimedia signal processing apparatus according to claim 1, wherein said communication service unit includes:

storage means for storing a plurality of types of communication service control programs corresponding to said plurality of types of communication service classifications; and

mode selection control means for controlling its own signal processing mode by loading selectively with a corresponding communication service control program from said storage means in accordance with a signal processing mode control indication from said mode control means.

6. A multimedia signal processing apparatus according to claim 2, wherein said communication service unit includes:

storage means for storing a plurality of types of communication service control programs corresponding to said

plurality of types of communication service classifications; and

mode selection control means for controlling its own signal processing mode by loading selectively with a corresponding communication service control program from said storage means in accordance with a signal processing mode control indication from said mode control means.

7. A multimedia signal processing apparatus according to claim 3, wherein said communication service unit includes:

storage means for storing a plurality of types of communication service control programs corresponding to said plurality of types of communication service classifications; and

mode selection control means for controlling its own signal processing mode by loading selectively with a corresponding communication service control program from said storage means in accordance with a signal processing mode control indication from said mode control means.

8. A multimedia signal processing apparatus according to claim 4, wherein said communication service unit includes:

storage means for storing a plurality of types of communication service control programs corresponding to said plurality of types of communication service classifications; and

mode selection control means for controlling its own

signal processing mode by loading selectively with a corresponding communication service control program from said storage means in accordance with a signal processing mode control indication from said mode control means.